



# Centre for PG Studies and Research ST PHILOMENA COLLEGE

Affiliated to Mangalore University Re-Accredited by NAAC at 'A' Grade  
MAI DE DEUS EDUCATIONAL INSTITUTIONS  
Managed by the Catholic Board of Education, Mangalore

Philonagar, Darbe, Puttur - 574202, D.K., Karnataka | 08251 230340



# Calendar 2022-23



**EXPLORE..  
ACHIEVE  
SUCCEED...**



## The Emblem



1. The motto of the Institution Faith and Service is emblazoned atop its emblem and underneath it is imprinted St Philomena College.
2. The heart of the emblem has a three-way partition, the Holy-cross figures prominently above all. The Cross is emblematic of sacrifice, patience, fortitude and love the divine message of Jesus Christ. It also indicates that it is a Christian Institution.
3. The three segments delineate hard-work, purity & knowledge.
  - a. The left segment comprises the boat in motion being stroked by a rower. It also looks like a plough and bow & arrow. It betokens endeavour in the sojourn of life. The ear of corn holds out abundance. To the student community the message factored in here is work hard in order that you taste success. To cruise the ocean of knowledge propelling the boat of education with studiousness as the propelling lever is required a constant effort.
  - b. The blooming lotus on the right segment epitomizes purity. It suggests that students should trump the evil, realize the best and strive to lead a life of purity.
  - c. The light in the southern segment symbolizes enlightenment where it is imperative that our life is a continuous journey towards light from darkness and education is a pivotal enabler. In Toto, our focus should be on hard work, purity, and knowledge.

## MANAGEMENT

The College is managed by the Catholic Board of Education (CBE) of the Diocese of Mangalore which is registered under the Societies Registration Act of 1860. Started in 1932, the CBE has under its care 10 Degree Colleges, 16 Pre-University Colleges, 60 High Schools, 167 Higher Primary Schools, 120 Pre-Primary Schools, 1 Technical Institute and 1 Nursery Teachers Training School. His Excellency Most Rev. Dr Peter Paul Saldanha, Bishop of Mangalore Diocese is the President of the CBE.

## VISION



To be a premier Institution for Higher Education, constantly in service for the welfare of the Society.

## MISSION



To facilitate the holistic development of the youngsters through education and training thereby contribute to the socio-economic development of the society.



## OBJECTIVES

- To provide guidance and support for the students to excel
- To sensitize the students about the Social needs and problems
- To help the students accomplish their career opportunities
- To prepare the students in nation building activities
- To promote good citizenry among the students

## Campus





## PERSONAL MEMO

Name : .....

Class : .....

Combination : .....

Roll No. : .....

Blood Group : .....

Address for Communication :

.....

.....

.....

.....

Pin : .....

Phone : .....

### Specimen Signature

Student      Father | Mother | Guardian      Class Mentor

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## **PRAYER**

Eternal Wisdom, deign to send a ray of your light to illumine our mind.

Grant us an intellect capable of understanding, a memory capable of retaining and a speech capable of expressing.

Above all, grant us the strength to do Your will now and always.

## **COLLEGE ANTHEM**

We praise You and prostrate  
Our Heavenly Teacher great  
From darkness true to light  
Lead us Lord day and night

We shall build human-kind  
with selfless love and care  
we shall build a new world  
with service kind and rare

We shall help everyone  
with sincere generous heart  
we shall end oppression  
with hope and commitment.



# St Philomena College

**Centre for PG Studies & Research**

Philonagar, Darbe, Puttur - 574 202

## **THE INSTITUTION**

St Philomena College was founded by Msgr Antony Patrao who felt that a College in this part of the state would save the people of the inconvenience of moving to distant places for higher education. He set out to realize his dream and the mission was accomplished in the year 1958 by establishing St Philomena College.

Since its inception, the College has been growing steadily. The quantitative growth has been supplemented by undiluted quality. The College has been imparting higher education to the youth drawn from far and wide. Students are enrolled without discrimination. Msgr Patrao tended the Institution with motherly care. His example was emulated by his successors. The College has earned a name by virtue of its disciplined functioning and its achievements in the academic field as well as in the field of sports and games. Based on its infrastructure, learning resources and achievements, the College has been re-accredited by NAAC at 'A' Grade.

## **VISION**

To be a premier Institution for Higher Education, constantly in service to the society in the field of education and welfare.

## **MISSION**

To educate and train the young knowledge seekers for their holistic development to make effective contribution to the society.

## **OBJECTIVES**

- To provide opportunities for Higher Education to the young knowledge seekers.
- To prepare the students optimise the various social resources for sustainable growth and development.
- To sensitise the students about the social needs and problems.
- To provide guidance and support for the all-round development of personality of the students.
- To help the students accomplish their career opportunities.



## MANAGEMENT

St Philomena College is managed by the Catholic Board of Education (CBE) of the Diocese of Mangalore which is registered under the Societies Registration Act of 1860. Started in 1932, the CBE has under its care 10 Degree Colleges, 16 Pre-University Colleges, 60 High Schools, 167 Higher Primary Schools, 120 pre-primary schools, 1 Technical Institute and 1 Nursery Teachers Training School. His Excellency Most Rev. Dr. Peter Paul Saldanha, Bishop of Mangalore Diocese is the President of the CBE

### CATHOLIC BOARD OF EDUCATION, MANGALORE GOVERNING BODY MEMBERS 2022-23



President

Sl. No	Name	Nature of Representation
1	Most Rev. Dr Peter Paul Saldanha	President
2	Rev. Msgr Lawrence Maxim Noronha	Vice President
3	Rev. Fr Antony Michael Shera	Secretary
4	Rev. Fr Vijay Victor Lobo	Treasurer
5	Rev. Fr James D souza	Member

6	Rev. Fr Vincent Francis Monteiro	Member
7	Rev. Fr Vincent Robert Crasta	Member
8	Rev. Fr Valerian D'Souza	Member
9	Rev. Fr Paul Pinto	Member
10	Rev. Fr Paul Sequeira	Member
11	Rev. Dr Antony Prakash Monteiro	Member
12	Mr Norbert Lobo	Member
13	Mr Rajan V N	Member
14	Mr Aloysius D Souza	Member



### **LOCAL MANAGING COMMITTEE 2022-23**

<b>Sl. No</b>	<b>Name</b>	<b>Nature of Representation</b>
1	Most Rev. Dr Peter Paul Saldanha	President
2	Rev. Msgr Lawrence Maxim Noronha	Vice President
3	Rev. Fr Antony Michael Shera	Secretary
4	Rev. Fr Jerome Lawrence Mascarenhas	Correspondent
5	Rev. Dr Antony Prakash Monteiro	Principal
6	Rev. Fr Stany Pinto	Campus Director
7	Mr Maurice Mascarenhas	Member
8	Dr Norbert Mascarenhas	Member
9	Mr Paul Herald Mascarenhas	Member
10	Mr Jacob Philip Rodrigues	Member
11	Mr John D Souza	Member
12	Mr Everest Rodrigues	Member
13	Mr Valerian J Fernandes	Member
14	Mr Xavier D Souza	Member
15	Mr John Cutinha	Member

## **POINTS TO REMEMBER**

- 1 That University education is a rare privilege and it demands hard work, dedication and sincerity.
- 2 As a College student, you have a duty to maintain a high standard of conduct and behavior.
- 3 Be courteous and considerate to others and follow all the rules and regulations of the College.
- 4 Make good use of all the facilities provided by the College in the Library, Reading Room, Laboratories, Computer Center and on the Play ground.
- 5 Participate actively in all the programs of Clubs / Associations.
- 6 That Regular attendance is essential. Do not be absent for the class any day except for valid reasons. 75% attendance is compulsory.
- 7 Keep in touch with the day-to-day activities of the College. Look up the Notice Board every day.
- 8 Consult your teachers in case of difficulties or problems.
- 9 That it is your College. Treat College property with care.
- 10 Maintain peace and harmony in the College and Society.

## TEACHING STAFF 2022-23

**Rev. Dr Antony Prakash Monteiro**

M.Sc. (Phy.), M.A. (Kan.), Ph.D. Principal

### DEPARTMENT OF SOCIAL WORK

<b>Mrs Srimani</b>	MSW, NET	Co-ordinator
<b>Mrs Prathibha K</b>	MSW, NET, M.A. Eng.	Asst. Professor
<b>Mr Sheethal Kumar K V</b>	MSW, K-SET, M.A Hist. (Pursuing)	Asst. Professor

### DEPARTMENT OF COMMERCE

<b>Mr Yashavantha G Nayak</b>	M.Com, K-SET, M.A (Eco),(Ph.D Registered)	Co-ordinator
<b>Ms Pruthvi K</b>	M.Com	Asst. Professor
<b>Mr Harshith R</b>	M.Com	Asst. Professor
<b>Ms Shreeraksha K S</b>	M.Com	Asst. Professor
<b>Mr Santhosh L Rodrigues</b>	M.Com	Asst. Professor

### DEPARTMENT OF PHYSICS

<b>Dr Emmanuel Deepak D'silva</b>	M.Sc., Ph.D.	Co-ordinator
<b>Mr Vipin Naik N S</b>	M.Sc., K-SET, NET, (Ph.D. Registered)	Asst. Professor
<b>Dr Ashith V K</b>	M.Sc., Ph.D.	Asst. Professor
<b>Mrs Hitha D</b>	M.Sc., (B.Ed Pursuing)	Asst. Professor
<b>Ms Poojashree V Rai</b>	M.Sc.	Asst. Professor

### DEPARTMENT OF MATHEMATICS

<b>Mrs Vaishnavi C</b>	M.Sc., K-SET	Co-ordinator
<b>Mr Vrikshavardhana Hebbar N</b>	M.Sc., K-SET, NET	Asst. Professor
<b>Ms Namratha S A</b>	M.Sc. K-SET	Asst. Professor

## DEPARTMENT OF COMPUTER SCIENCE

<b>Mr Govinda Prakash</b>	M.Sc., M.Tech. B.Ed.	Co-ordinator
<b>Mrs Akshatha B</b>	M.Sc.	Asst. Professor
<b>Ms Ramya S</b>	M.Sc.	Asst. Professor
<b>Mrs Suraksha S</b>	M.Sc.	Asst. Professor

## LIBRARY

<b>Mr Manohara S G</b>	M.L.I.Sc	Librarian
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## ADMINISTRATIVE STAFF

<b>Mrs Jane Candida Mathew</b>	M.A.	SDA
<b>Mr Noel Ivan Pais</b>	M.Com.	SDA

## SUPPORT STAFF

<b>Mr Raj Kishore Rodrigues</b>	PUC
<b>Mrs Nathalia</b>	
<b>Mrs Neelamma</b>	



## Committees for the Academic Year 2022-2023

Sl. No.	Name of the Committee	Members
1	<b>Staff Secretary</b>	Mrs Vaishnavi C
2	<b>Examination</b>	Dr Emmanuel Deepak D'Silva (Convener) Mr Vipin Naik N S Mrs Srimani Mrs Vaishnavi C
3	<b>Student Welfare Officers</b>	Mr Sheethal Kumar K V (Convener) Ms Pruthvi K
4	<b>Alumni and Placement Officers</b>	Mr Yashavantha G Nayak (Convener) Mrs Prathibha K Ms Ramya S
5	<b>UGC – NAAC Activities</b>	Mr Vipin Naik N S (Convener) Ms Ramya S Dr Ashith V K Mr Harshith R Mr Sheethal Kumar K V
6	<b>Anti-Ragging</b>	Mrs Akshatha B (Convener) Mr Yashavantha G Nayak Mr Harshith K
7	<b>Women Empowerment Cell</b>	Mrs Srimani (Convener) Ms Pruthvi K
8	<b>Anti Women Harassment Cell</b>	Mrs Prathibha K (Convener) Ms Pruthvi K
9	<b>Annual College Magazine</b>	Dr E Deepak D Silva (Convener) Mrs Srimani Mrs Vaishnavi C
10	<b>Cultural Activities/ Events</b>	Mrs Prathibha K (Convener) Mrs Suraksha S
11	<b>Library Advisory Committee</b>	Mrs Srimani (Convener) Mr Manohara S G Mrs Vaishnavi C Mr Harshith R

<b>Sl. No.</b>	<b>Name of the Committee</b>	<b>Members</b>
<b>12</b>	<b>Creative Commons/ Competitive exams/ NIRF</b>	Mr Vipin Naik N S (Convener) Mrs Srimani Mrs Namratha S A Mrs Suraksha S
<b>13</b>	<b>Press and Publicity</b>	Mrs Akshatha B (Convener) Mrs Prathibha K Dr Ashith V K Mrs Suraksha S
<b>14</b>	<b>Capability Enhancement and Development Schemes – Career Guidance, Counseling etc.</b>	Ms Ramya S (Convener) Mr Sheethal Kumar K V Mrs Namratha S A Ms Pruthvi K Mrs Hitha D
<b>15</b>	<b>Konkani Sangha</b>	Dr Emmanuel Deepak D'Silva (Convener) Mr Santhosh L Rodrigues Mrs Jane Candida Mathew
<b>16</b>	<b>Research Expert Committee</b>	Dr Emmanuel Deepak D'Silva (Convener) Dr A P Radhakrishna Dr Vijaya Kumar Moleyar Dr Malini K Dr Dimple Jennifer Fernandes Mr Vipin Naik N S Mr Yashavantha G Nayak Dr Ashith V K
<b>17</b>	<b>Feedback Analysis/ Website Maintenance Committee</b>	Mrs Akshatha B (Convener) Ms Ramya S Mrs Suraksha S
<b>18</b>	<b>Commerce Lab</b>	Mr Yashavantha G Nayak (Convener) M.Com. Class Representatives
<b>19</b>	<b>Student Research Programmes / MOU's and Linkages/ Funding and Grants</b>	Mr Vipin Naik N S (Convener) Mrs Srimani Mr Yashavantha G Nayak Mrs Akshatha B Dr Ashith V K

<b>Sl. No.</b>	<b>Name of the Committee</b>	<b>Members</b>
<b>20</b>	<b>Certificate Courses</b>	Mrs Vaishnavi C (Convener) PG Department Coordinators
<b>21</b>	<b>AQAR Committee</b>	Mr Vipin Naik N S (Convener) Mr Johnson David Sequeira Mr Abhishek Suvarna Dr Ashith V K
<b>22</b>	<b>Museum</b>	Mr Sheethal Kumar K V M.S.W Students
<b>23</b>	<b>E-attestation Officer's</b>	Mr Vipin Naik N S Mrs Prathibha K
<b>24</b>	<b>Mentors</b>	<b>I MSW</b> : Mr Sheethal Kumar K V <b>II MSW</b> : Mrs Prathibha K <b>I M.Com.</b> : Ms Pruthvi K <b>II M.Com.</b> : Mr Harshith R <b>I M.Sc. Physics</b> : Mr Vipin Naik N S <b>II M.Sc. Physics</b> : Dr Ashith V K <b>I M.Sc. Mathematics</b> : Mrs Namratha S A <b>II M.Sc. Mathematics</b> : Mrs Vaishnavi C <b>I M.Sc. Comp. Sci.</b> : Ms Ramya S <b>II M.Sc Comp. Sci.</b> : Mrs Akshatha B



# PEARL MULTIDISCIPLINARY JOURNAL

## MANAGING BOARD

Most Rev. Dr Peter Paul Saldanha  
Rev. Msgr Maxim L Noronha  
Very Rev. Antony M Shera  
Very Rev. Lawrence Mascarenhas  
Rev. Dr Antony Prakash Monteiro  
Rev. Fr Stany Pinto

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Mrs Srimani  
Dr Pradeepa K S  
Mr Sachin Kumar  
Mr Prasanna Kumar C  
Mr Yashavanth G Nayak  
Mr Sheethal Kumar K V  
Dr Radhakrishna Gowda  
Dr Ashith V K

## CIRCULATION MANAGER

Mr Johnson David Sequeira  
Mr Manohara S G

## ASSOCIATE EDITOR

Dr E Deepak D'Silva  
Mrs Bharati S Rai

## EDITOR

Fr C P Prince

<b>OCTOBER - 2022</b>		* - Holiday
1	Sat	
<b>2</b>	<b>Sun</b>	*Gandhi Jayanthi
3	Mon	
4	Tue	*Maha Navami
5	Wed	*Vijayadashami
6	Thu	
7	Fri	
8	Sat	
<b>9</b>	<b>Sun</b>	
10	Mon	
11	Tue	
12	Wed	
13	Thu	
14	Fri	
15	Sat	Commencement of Admissions for Ist year
<b>16</b>	<b>Sun</b>	
17	Mon	
18	Tue	
19	Wed	
20	Thu	
21	Fri	
22	Sat	
<b>23</b>	<b>Sun</b>	
24	Mon	*Naraka Chathurdhashi
25	Tue	
26	Wed	*Balipadyami/Deepavali
27	Thu	
28	Fri	
29	Sat	
<b>30</b>	<b>Sun</b>	
31	Mon	

<b>NOVEMBER - 2022</b>		* - Holiday
1	Tue	*Kannada Rajyosthava
2	Wed	Reporting of Teacher's to duty
3	Thu	
4	Fri	
5	Sat	
<b>6</b>	<b>Sun</b>	
7	Mon	
8	Tue	
9	Wed	
10	Thu	
11	Fri	*Kanakadasa Jayanthi
12	Sat	
<b>13</b>	<b>Sun</b>	
14	Mon	
15	Tue	
16	Wed	
17	Thu	
18	Fri	
19	Sat	
<b>20</b>	<b>Sun</b>	
21	Mon	
22	Tue	
23	Wed	
24	Thu	
25	Fri	
26	Sat	
<b>27</b>	<b>Sun</b>	
28	Mon	Commencement of I & III Semester Classes/ Last date for admissions to I Sem.
29	Tue	
30	Wed	

**DECEMBER - 2022**

\* - Holiday

1	Thu	
2	Fri	
3	Sat	
<b>4</b>	<b>Sun</b>	
5	Mon	
6	Tue	
7	Wed	
8	Thu	
9	Fri	
10	Sat	
<b>11</b>	<b>Sun</b>	
12	Mon	
13	Tue	
14	Wed	
15	Thu	
16	Fri	
17	Sat	
<b>18</b>	<b>Sun</b>	
19	Mon	
20	Tue	
21	Wed	
22	Thu	
23	Fri	
24	Sat	* Christmas Eve
<b>25</b>	<b>Sun</b>	* Christmas
26	Mon	
27	Tue	
28	Wed	
29	Thu	
30	Fri	
31	Sat	

**JANUARY - 2023**

\* - Holiday

1	<b>Sun</b>	
2	Mon	
3	Tue	
4	Wed	
5	Thu	
6	Fri	
7	Sat	
<b>8</b>	<b>Sun</b>	
9	Mon	
10	Tue	
11	Wed	
12	Thu	
13	Fri	
14	Sat	
<b>15</b>	<b>Sun</b>	
16	Mon	
17	Tue	
18	Wed	
19	Thu	
20	Fri	
21	Sat	
<b>22</b>	<b>Sun</b>	
23	Mon	
24	Tue	
25	Wed	
26	Thu	*Republic Day
27	Fri	
28	Sat	
<b>29</b>	<b>Sun</b>	
30	Mon	
31	Tue	

**FEBRUARY - 2023**

\* - Holiday

1	Wed	
2	Thu	
3	Fri	
4	Sat	
<b>5</b>	<b>Sun</b>	
6	Mon	
7	Tue	
8	Wed	
9	Thu	
10	Fri	
11	Sat	
<b>12</b>	<b>Sun</b>	
13	Mon	
14	Tue	
15	Wed	
16	Thu	
17	Fri	
18	Sat	*Mahashivaratri
<b>19</b>	<b>Sun</b>	
20	Mon	
21	Tue	
22	Wed	
23	Thu	
24	Fri	
25	Sat	
<b>26</b>	<b>Sun</b>	
27	Mon	
28	Tue	

**MARCH - 2023**

\* - Holiday

1	Wed	
2	Thu	
3	Fri	
4	Sat	
<b>5</b>	<b>Sun</b>	
6	Mon	
7	Tue	
8	Wed	
9	Thu	
10	Fri	
11	Sat	
<b>12</b>	<b>Sun</b>	
13	Mon	
14	Tue	
15	Wed	
16	Thu	End of I & III Semester Classes
17	Fri	
18	Sat	
<b>19</b>	<b>Sun</b>	
20	Mon	Commencement of I & III Semester Examinations
21	Tue	
22	Wed	*Ugadi
23	Thu	
24	Fri	
25	Sat	
<b>26</b>	<b>Sun</b>	
27	Mon	
28	Tue	
29	Wed	
30	Thu	
31	Fri	

**APRIL - 2023**

\* - Holiday

1	Sat	
<b>2</b>	<b>Sun</b>	
3	Mon	*Mahavira Jayanti
4	Tue	
5	Wed	Commencement of II & IV Semester Classes
6	Thu	
7	Fri	*Good Friday
8	Sat	
<b>9</b>	<b>Sun</b>	
10	Mon	
11	Tue	
12	Wed	
13	Thu	
14	Fri	*Dr B R Ambedkar Jayanti
15	Sat	
<b>16</b>	<b>Sun</b>	
17	Mon	
18	Tue	
19	Wed	
20	Thu	
21	Fri	
22	Sat	
<b>23</b>	<b>Sun</b>	
24	Mon	
25	Tue	
26	Wed	
27	Thu	
28	Fri	
29	Sat	
<b>30</b>	<b>Sun</b>	



**MAY - 2023**

\* - Holiday

1	Mon	*Workers day
2	Tue	
3	Wed	
4	Thu	
5	Fri	
6	Sat	
<b>7</b>	<b>Sun</b>	
8	Mon	
9	Tue	
10	Wed	
11	Thu	
12	Fri	
13	Sat	
<b>14</b>	<b>Sun</b>	
15	Mon	
16	Tue	
17	Wed	
18	Thu	
19	Fri	
20	Sat	
<b>21</b>	<b>Sun</b>	
22	Mon	
23	Tue	
24	Wed	
25	Thu	
26	Fri	
27	Sat	
<b>28</b>	<b>Sun</b>	
29	Mon	
30	Tue	
31	Wed	

**JUNE - 2023**

\* - Holiday

1	Thu	
2	Fri	
3	Sat	
<b>4</b>	<b>Sun</b>	
5	Mon	
6	Tue	
7	Wed	
8	Thu	
9	Fri	
10	Sat	
<b>11</b>	<b>Sun</b>	
12	Mon	
13	Tue	
14	Wed	
15	Thu	
16	Fri	
17	Sat	
<b>18</b>	<b>Sun</b>	
19	Mon	
20	Tue	
21	Wed	
22	Thu	
23	Fri	
24	Sat	
<b>25</b>	<b>Sun</b>	
26	Mon	
27	Tue	
28	Wed	
29	Thu	*Bakrid
30	Fri	

**JULY - 2023**

\* - Holiday

1	Sat	
<b>2</b>	<b>Sun</b>	
3	Mon	
4	Tue	
5	Wed	
6	Thu	
7	Fri	
8	Sat	
<b>9</b>	<b>Sun</b>	
10	Mon	
11	Tue	
12	Wed	
13	Thu	
14	Fri	
15	Sat	
<b>16</b>	<b>Sun</b>	
17	Mon	
18	Tue	
19	Wed	
20	Thu	
21	Fri	
22	Sat	
<b>23</b>	<b>Sun</b>	
24	Mon	
25	Tue	
26	Wed	
27	Thu	End of II & IV Semester Classes
28	Fri	
29	Sat	*Moharam
<b>30</b>	<b>Sun</b>	
31	Mon	

**AUGUST - 2023**

\* - Holiday

1	Tue	Commencement of II & IV Semester Examinations
2	Wed	
3	Thu	
4	Fri	
5	Sat	
<b>6</b>	<b>Sun</b>	
7	Mon	
8	Tue	
9	Wed	
10	Thu	
11	Fri	
12	Sat	
<b>13</b>	<b>Sun</b>	
14	Mon	
15	Tue	*Independence Day
16	Wed	
17	Thu	
18	Fri	
19	Sat	
<b>20</b>	<b>Sun</b>	
21	Mon	
22	Tue	
23	Wed	
24	Thu	
25	Fri	
26	Sat	
<b>27</b>	<b>Sun</b>	
28	Mon	
29	Tue	
30	Wed	
31	Thu	

**SEPTEMBER - 2023**

\* - Holiday

1	Fri	
2	Sat	
<b>3</b>	<b>Sun</b>	
4	Mon	
5	Tue	
6	Wed	
7	Thu	
8	Fri	
9	Sat	
<b>10</b>	<b>Sun</b>	
11	Mon	
12	Tue	
13	Wed	
14	Thu	
15	Fri	
16	Sat	
<b>17</b>	<b>Sun</b>	
18	Mon	*Varasiddhi Vinayaka Vratha
19	Tue	
20	Wed	
21	Thu	
22	Fri	
23	Sat	
<b>24</b>	<b>Sun</b>	
25	Mon	
26	Tue	
27	Wed	
28	Thu	*Eid - Milad
29	Fri	
30	Sat	

## GRADUATE ATTRIBUTES

Knowledge is power, a tool for entitlement. Making students knowledgeable and skilled is the function of modern education. A skilled hand and a cultivated mind will help a student tread on a new territory, transcend the existing boundaries, fix new fences, start from one point and go anywhere, and be global. In this context graduate attributes come to the fore.

Graduate attributes are the qualities, skills and comprehension that students should develop as a result of their learning. These qualities distinguish them from individuals who have not studied at the degree level. Graduates offer added value to employer and society.

St Philomena's graduate attributes are a wide ranging set of qualities that students will develop towards graduation during their student term. Our graduates will demonstrate the following attributes

Attributes	Indicators
<p><b>1. Deep domain knowledge</b> The ability to present information in a highly coherent manner across different contexts</p>	<ul style="list-style-type: none"> <li>▪ In-depth and extensive knowledge, understanding and skills in their chosen discipline(s).</li> <li>▪ A breadth of knowledge, understanding and skills beyond their chosen discipline(s).</li> <li>▪ Participation in the creation of new knowledge and understanding through research and inquiry.</li> <li>▪ Contextual understanding of past and present knowledge and ideas.</li> <li>▪ Intellectual curiosity and a willingness to question accepted wisdom and to be open to new ideas.</li> </ul>
<p><b>2. Creative and Critical Thinking-</b> The ability to analyze,</p>	<ul style="list-style-type: none"> <li>▪ Utilization of analytical thinking skills in different contexts.</li> <li>▪ Employing problem solving skills to resolve issues.</li> </ul>

<p>assess, and utilize different thinking skills to determine the value of information and ideas</p>	<ul style="list-style-type: none"> <li>▪ Creative thinking to generate new ideas.</li> <li>▪ use of critical thinking skills to formulate alternative approaches to learning.</li> <li>▪ identification of problem, collection of evidence, synthesis and analysis.</li> </ul>
<p><b>3. Effective communication skills</b> - The ability to present information in a coherent manner across different contexts</p>	<ul style="list-style-type: none"> <li>▪ proficient speaking and writing.</li> <li>▪ effective communicate for different purposes and in different contexts.</li> <li>▪ attentive exchange, informed argument and reasoning.</li> <li>▪ working independently and as part of a team.</li> <li>▪ transferable and generic skills.</li> <li>▪ use of various information technology skills.</li> </ul>
<p><b>4. Interpersonal Skills</b> - The ability to work effectively and productively as a member of a group</p>	<ul style="list-style-type: none"> <li>▪ interaction and collaboration with others.</li> <li>▪ commitment and focus on group task.</li> <li>▪ integrity and passion for individual and group work.</li> <li>▪ acknowledging and appraising the contribution of others.</li> </ul>
<p><b>5. Ethical and Civic Responsibility</b> - The ability to function as responsible individual with ethical values who is accountable to the local, national, and international community.</p>	<ul style="list-style-type: none"> <li>▪ awareness and appreciation of ethical and moral issues.</li> <li>▪ understanding of social and civic responsibilities, and of the rights of individuals and groups.</li> <li>▪ accepting common responsibility to preserve the environment and its surroundings.</li> </ul>

<p><b>6. Learning and personal development</b> - The attitude of having a high regard for and commitment to learning and personality development</p>	<ul style="list-style-type: none"> <li>▪ openness to, life-long learning through directed and self-directed study.</li> <li>▪ awareness of personal strengths and weaknesses.</li> <li>▪ capacity for self reflection, self discovery and personal development.</li> <li>▪ Actively seeking new learning opportunities.</li> </ul>
<p><b>7. Good citizenship</b> - The ability to function as responsible citizens honoring tradition, culture, diversity and national values.</p>	<ul style="list-style-type: none"> <li>▪ striving for justice, equality, honesty, and integrity.</li> <li>▪ striving for an inclusive society.</li> <li>▪ awareness and appreciation of social and cultural diversity.</li> <li>▪ active contribution to the development of society.</li> </ul>
<p><b>8. Global citizenship</b> - The ability to function in an international context with a deep appreciation for diversity.</p>	<ul style="list-style-type: none"> <li>▪ greater appreciation for cultural and racial diversity.</li> <li>▪ effective communication in cross-cultural contexts.</li> <li>▪ thinking across national and international borders.</li> <li>▪ functioning in a global environment.</li> <li>▪ becoming more knowledgeable about international current issues.</li> </ul>



## **MSW:**

### **Objectives of the Course:**

- To impart education and training in Professional Social work to those desirous of making a career in the fields of Social work.
- To provide inter-disciplinary collaboration for better understanding of human problems services and issues related to human development.
- To provide opportunities through intensive field practicum to work with variety of people in their development and provide service to those who are in need of it.
- To provide inter-disciplinary collaboration for better understanding of human problems, services and issues related to human development.
- To promote among students a sense of dedication and commitment for appropriate service to the cause of the poor, under privileged and disadvantaged sections of the society.
- To acquire knowledge and skills in undertaking practice-based research and to administer human service organizations.

### **Programme Outcomes:**

The students are enhanced in the field of professional Social Work by attaining the skills and competencies which are achieved through concurrent fieldwork practicum and practice based learning. Our students will be specialized in three different areas namely Human Resource, Medical & Psychiatric Social Work and Community Development through intensive learning process which involves group discussions, individual presentation, street play, theme based 4 mime shows, participatory rural appraisal task, team building activities, case study presentation, field work conferences, management games, group development activities and so on. Students are encouraged to organize need based programme independently and with collaboration of other reputed institutions and hospitals at their field work placement region which will in turn make them self reliant and confident to face the challenges in their near future. Students are also motivated to develop sense of dedication and commitment

towards rendering their professional help for the poor, underprivileged and disadvantaged sections of the society.

**Programme Specific Outcomes:**

The MSW course outcomes are based on the social issues and concerns based on the overwhelming cultural and social realities in the real life work settings. Based on this premise pivotal importance is given to fieldwork practicum which accounts for about 40% of the time, which is earmarked for it. Social Work practices are based on liberalism, freedom, rule of law, human rights, and gender and child rights. This complex mechanism is used in contrast of social work practice in the field. The course outcomes are based on the methods of social work which is designated as hard core courses which builds the framework of Social Work practices. The students are required to have the ability to demonstrate advanced knowledge and field on the synergies of each Social Work methods to develop in them core social work competencies. Based on the foundation of basic skill component in Social Work, it is the component of specialization which falls under soft core courses. Students are required to select any one specialization- Community Development, MPSW and Human Resource Development. Besides specialization, the MSW course has elective papers based on student interest. These courses are based on building students gender sensitivity, interpersonal relationship, and community relationship building skills. These 3 tire system of instruction is based on the premises of building professionalism in Social Work practice. The course is designed that a student completing all the courses has to manage the fallout unleashed in social and community fault line which is bound to happen in their future career so that the future of society and social work practice is bound to resolve the crisis that communities are going through and should on the basis of liberalism and inclusiveness. There are four theory paper and one field work practicum for 1<sup>st</sup> and 4<sup>th</sup> semester and Five theory paper and one field work practicum 2<sup>nd</sup> and 3<sup>rd</sup> semester. The College/ Department offers three of the following specialization and the students can opt for any one among the offered specialization.

## **M.Com:**

### **OBJECTIVES:**

- Impart the students with higher level knowledge and understanding of contemporary trends in commerce and business finance.
- Equip the students to evaluate environmental factors that influence business operation with the conceptual requirements and skills on preparation and interpretation of financial statements.
- Prepare the students to apply Statistical methods and proficient use of tools for modeling and analysis of business data.
- Facilitate the students to apply capital budgeting techniques for investment decisions.
- Prepare students to appraise the structure and operations of banking system.
- Prepare the students for an in depth analysis of investment, portfolio management, investment banking and liquidation of investments.
- Train the students on teamwork, lifelong learning and continuous professional development.

### **Programme outcomes:**

- Provide a strong foundation in different areas of Commerce and Management, so that the students can compete with their contemporaries and excel in the various careers in Commerce.
- Ability to work in teams with enhanced communication and inter-personal skills.
- Identify, analyze and solve business problems.
- To develop an analytical ability to plan for various marketing strategy.
- Demonstrate skills for lifelong learning.
- This gives practical exposure in the Project work, knowledge which will equip the students in Research work.
- Understand and use information technology tools, techniques and resources.

- Acquire knowledge, skills and attitude to become more suitable for self employment and the emerging employment market.
- Inculcate ethical values, team work, leadership and managerial skills.
- Use critical reasoning to evaluate information.
- Ability to start entrepreneurial activities.
- Make use of quantitative skills necessary for analysis and critical reasoning.
- Express ideas clearly and logically in oral and written formats
- Communicate effectively and to understand inter-disciplinary expressions.
- Use opportunities for continuing professional education to enhance their professional development.

**Programme Specific outcomes:**

- Acquire strong subject-matter expertise in finance, financial instruments and Taxation.
- Master a body of knowledge in one area of specialization within the discipline of commerce.
- The students will be ready for employment in functional areas like Accounting, Taxation, Banking, Insurance and Corporate Law.
- Students will exhibit inclination towards pursuing professional courses such as CA/ CS/ CMA, etc.
- On successful completion of this course the students should have the Practical knowledge and its tactics in the marketing.
- On successful completion of this course the students are enabled with the knowledge in the practical applications of accounting.
- The students acquires the knowledge of Demand forecasting in sales Management, Price fixing, market competitors, management and business economically.
- The students acquires the knowledge about the Foreign trade, Foreign exchange, etc
- Crack lectureship and fellowship exams approved by UGC like NET/KSET.

- After the successful completion of the course the student should have
- a thorough knowledge on the accounting practice prevailing in the Corporate.
- Apply basic mathematical and statistical skills necessary for analysis of range of problems in accounting, marketing, management and finance.

## **M.Sc Physics**

### **Objectives:**

- To impart quality education in Physical Sciences.
- To enable the students to acquire deep knowledge in fundamental aspects of all branches of Physics.
- To assist the students in acquiring basic knowledge in the specialized thrust areas such as Condensed Matter Physics, Nuclear Physics and Electronics.
- To make the students technically and analytically skilled.
- To give exposure to a vibrant academic ambience.
- To prepare students to take up the career in the challenging fields of research in diverse areas of theoretical and experimental physics.
- To create a sense of academic and social ethics among the students.

### **Programme Outcome:**

- **Physics knowledge:** The MSc physics programme create a comprehensive scientific knowledge, and this knowledge will help to understand, explain, and to solve advanced scientific problems.
- **Problem analysis:** Identify, formulated and analyse advanced problems in physics.
- **Design/development of solutions:** Design solutions for complex problems using the knowledge of physics.
- **Conduct investigations of complex problems:** Use methodology and knowledge of physics to design innovative experiments, analyse and interpret the data.
- **Modern tool usage:** To apply modern experimental and theoretical tools of physics along with modern computation technology to predict and model advanced problems in physics.

- Physics and society: Apply the knowledge of physics to critically assess and analyse the problems of society.
- Environment and sustainability: To ensure that the development in physics maintains and sustains the environment.
- Ethics: Apply and commit to professional ethics of physics.
- Communication: Effectively communicate the activities of physics to physics community and to society through effective presentation, reports and documentation. Project management: To demonstrate the knowledge of physics and to apply it to multidisciplinary environments.
- Life-long learning: Recognize the need to engage in independent and life-long learning in the context of scientific/ technological change.

**Programme Specific Outcome:**

- On completion of the course the students will be able to explain the wide range of physical phenomena with underlying principles with respect to condensed matter physics, nuclear and particle physics both scientifically and in the wider perspective to the community.
- The current status of physics and associated developments can be understood and explained thoroughly.
- Show the ability to solve physics related problems and demonstrate the physics phenomenon through experiments.
- Well qualified to clear national level and state level qualifying examinations for research and teaching at graduate and postgraduate levels.
- The knowledge acquired during the course would also make the students able to pursue their higher studies as well as to use their knowledge to get into R & D and industrial sector.
- The knowledge acquired during the course will make the students to think, innovate and help to make original contribution to the domain knowledge.
- The inter-disciplinary knowledge gained during the course will help the student to understand a problem in a better way and would be able to address the problem with a complete understanding.

## **M.Sc Mathematics**

### **Objectives:**

- To develop highly qualified/trained mathematicians to cater to the needs of the industry, teaching and research institutions.
- To provide skills for high quality research and teaching in the field of mathematics.
- To produce a critical mass of persons with a solid mathematical base that they can use to popularize and meet the challenges of mathematical applications to the industry and society.

### **Programme Outcome:**

- Provide a strong foundation in different areas of Mathematics, so that the students can compete with their contemporaries and excel in the various careers in Mathematics.
- Develop abstract mathematical thinking.
- Motivate and prepare the students to pursue higher studies and research, thus contributing to the ever increasing academic demands of the country.
- Enrich the students with strong communication and interpersonal skills, broad knowledge and an understanding of multicultural and global perspectives, to work effectively in multidisciplinary teams, both as leaders and team members.
- Facilitate integral development of the personality of the student to deal with ethical and professional issues, and also to develop ability for independent and lifelong learning.

### **Programme Specific Outcome:**

- Students will demonstrate in-depth knowledge of Mathematics, both in theory and application. They develop problem-solving skills and apply them independently to problems in pure and applied mathematics.
- Students will attain the ability to identify, formulate and solve challenging problems in Mathematics. They assimilate complex mathematical ideas and arguments.

- Students will be able to analyse complex problems in Mathematics and propose solutions using research based knowledge.
- Students will be able to work individually or as a team member or leader in uniform and multidisciplinary settings.
- Students will develop confidence for self-education and ability for lifelong learning. Adjust themselves completely to the demands of the growing field of Mathematics by lifelong learning.
- Effectively communicate about their field of expertise on their activities, with their peer and society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations.
- Crack lectureship and fellowship exams approved by UGC like CSIR – NET and SET.

## **M.Sc. Computer Science**

### **Objectives:**

M.Sc. in Computer Science Degree programme provides a demanding education that combines central topics in computing and specialization in a more focused area with added prominence on the physical and architectural substructures of modern computer system design. Our graduates have the extensiveness of understanding a practice both in traditional areas of computing and in applications to other disciplines. The Learning objectives of this programme are:

- Practice and grow as computing professionals, conducting research and/or leading, designing, developing or maintaining projects in various technical areas of computer science.
- Utilize knowledge and skills in Computer Science effectively for improving the society.
- Use new technical advancements of Computer Science to produce tangible contributions in the profession.

### **Programme Outcome:**

The curriculum leading to M.Sc in Computer Science degree prepares the students for the positions as computer scientists, Data scientists, and software engineers and Academicians in



Business Intelligence, Information Technology, Software Industry and Government segments. The curriculum's main objectives are to convey students with an understanding of the Hardware, Software and problem solving skills through Algorithmic approaches and to develop proficiency in the practice of computing, and to prepare them for continued professional development. After completion of M.Sc. in Computer Science, students will be able to:

- Apply algorithmic, mathematical and scientific reasoning to a variety of computational problems.
- Design, Evaluate, implement and document solutions to significant computational problems.
- Analyze and compare alternative solutions to computing problems.
- Implement software systems that meet specified design and performance requirements.
- Work effectively in teams to design and implement solutions to computational problems.
- Communicate effectively, both orally and in writing.
- Recognize the social and ethical responsibilities of a professional working in the discipline.

**Programme Specific Outcome:**

On completion of the M.Sc.-Computer Science Degree programme the graduates will be able to:

- Design and develop computer programs/computer-based systems in the areas related to algorithms, networking, web design, cloud computing, IoT and data analytics of varying complexity.
- Apply standard Software Engineering practices and strategies in real-time software project development using open-source programming environment or commercial environment to deliver quality product for the organization success.
- Acquaint with the contemporary trends in industrial/research settings and thereby innovate novel solutions to existing problems.

## UNIVERSITY GUIDELINES

### **The Salient Features of the Choice Based Credit System (CBCS) (Semester Scheme):**

Each course in a programme shall carry certain number of credits, which normally represent the weightage of a course and are a function of teaching, learning and evaluation strategies such as number of contact hours, the course content, teaching methodology, learning expectations, etc. In the proposed programmes, the credits shall be based on the number of instructional hours per week, generally 1 credit is equivalent to one hour of instruction in theory, or 1 or 2 hours of tutorial, or one and a half or two hours of practical/field work/project work/ internship per week.

### **COURSE PATTERN**

1. Each postgraduate programme will comprise "core" and "elective" courses. The "Core course" will further consist of "hard" and "soft" core courses. Hard core courses can have 3-5 credits. Soft core courses can have 3-4 credits. Practical (Hard core or Soft core) can have 2-5 credits. Open Electives have 3 credits each. Total credit of the programme is between 84 to 92 including open electives.
2. Core Course is related to the discipline of the programme. This is further divided into Hard Core and Soft Core. Hard core courses are compulsorily studied by a student as a core requirement to complete the requirement of a programme in a said discipline of study. Soft Core courses are elective but related to the discipline of the programme. The number of hard core courses are as many as may be offered by a Department. The B.O.S. will prepare a list of soft core papers in such a way that there will be enough alternatives for the soft core courses offered in the programme. These soft core courses can be offered in any

semester. However, given the limitations that departments and University may face, B.O.S. may take a decision to indicate which of the offered soft core paper it is actually going to teach in each semester, every year. The B.O.S. will prepare Open Elective courses that will be chosen by students of other programmes.

3. Out of the total of 84 to 92 credits of the programme, the hard core will make up 50%-65% of the total credits, soft core 30%-45% while the open electives will have a fixed 6 credits (3 credits x 2 courses). A student has to take minimum of 18 credits and maximum of 26 credits in any semester.
4. A credit is a unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to (i) one hour of teaching per week, (ii) two or one hour per week of tutorial, and (iii) two hours or one and half hours of practical work/field work per week. (iv) Open electives may have 3 to 4 hours of instruction for 3 credits. Exact hours per credit is stipulated by the Board of Studies (BOS) depending on intensity and effectiveness of practical and tutorial.
5. All courses need not carry the same weight (credit). The courses should define learning objectives and learning outcomes. A course may be designed to comprise lectures/ tutorials/ laboratory work/ field work/ outreach activities/ project work/ vocational training.
6. In the case of subjects with practical there shall be minimum of 16 credits of practical in the programme.
7. A Project Work is taken up in the third semester or at the beginning of the fourth semester. However, credit for the project work is counted for the fourth semester only. A project work can either be a semester-project or a

course project. A semester project is carried out in lieu of all the courses of the fourth semester and is equivalent to the total credits of that semester. A courseproject is equivalent to a course and carries the credit specified by the B.O.S. Project work is compulsory in the faculty of science and education but is optional in the faculties of arts and commerce. In departments where the course-project is not offered, a soft-core paper may be offered instead. The nature, the quantity and the duration of the Project work need to be defined by the Board of Studies.

8. A student can take the courses offered by a department in any semester, provided they are offered by the department in that particular semester and with the permission from the University well in advance. However, certain courses have one or more courses as prerequisites as prescribed by the Board of Studies and such courses can be taken only after studying those prerequisite courses. Open electives are taken in 2nd and 3rd semesters from among the list of courses offered.
9. The performance of a student in a course is graded and the "grade" is an index of the performance of that student. The overall performance of a student over the whole programme is expressed as Cumulative Grade Point Average (CGPA).
10. The CGPA of a programme shall be declared on the basis of the total credits that a student secures in hard and soft core courses including project work if any and the credits of the open electives shall not be considered in declaring the CGPA. However, a student has to compulsorily take one open elective each in the second and the third semesters (two open elective courses in all) and secure a minimum of 6 credits in the open elective courses to qualify to pass the programme.

11. The grade card is not a statement of Marks. However, the printed CGPA card issued by the university shall declare a formula to convert the CGPA to an overall percentage.
12. Boards of Studies shall exercise care in framing open elective courses and see that these courses are not general introduction to an area of study. The open electives offered by the departments will maintain the level and standards of other postgraduate courses offered by them. Care must also be exercised to see that open elective courses will not repeat undergraduate syllabi.
13. A student may take extra courses over and above the prescribed number in a programme. However, the credits so earned in excess shall not be considered in the declaration of the CGPA.
14. A student can earn credits in soft core courses by doing them in a department other than the one to which he is admitted, provided that such courses are considered as relevant to his discipline by the Board of Studies and provided, further, that the Councils of the departments concerned approve it.
15. Two or more open electives may be offered in the second and third semesters by every department.

**DURATION :**

The duration of Master Degree Programmes shall extend over 4 semesters each of a minimum of 16 weeks (90 actual working days) of instruction and 2 to 3 weeks for preparation and examination.

**MAXIMUM PERIOD FOR COMPLETION OF THE PROGRAMME:**

The candidate shall complete the Master Degree programme within four years from the date of admission to the programme.

**ATTENDANCE :**

Each course (theory, practical etc.) shall be treated as an independent unit for the purpose of attendance. A student shall attend a minimum of 75% of the total instruction hours in a course including tutorials and seminars in each semester. There shall be no provision for condonation of shortage of attendance and a student who fails to secure 75% attendance in a course shall be required to repeat that semester.

**THE SCHEME OF EXAMINATION:**

There shall be examinations at the end of each semester ordinarily during November/ December for odd semesters and during May/June for even semesters. Each course shall be evaluated with 30% of marks shall be for continuous internal assessment and 70% of the marks for the end-semester examinations

**INTERNAL ASSESSMENT :**

Marks for internal assessment shall be awarded on the basis of seminars, field work, tests, assignments etc. as determined by the Board of Studies in the respective subject. The internal assessment marks shall be notified on the department/ college notice board for information of the students and it shall be communicated to the Registrar (Evaluation) before the commencement of the University examinations, and the Registrar (Evaluation) shall have access to the records of such internal assessment evaluations.

**COMPUTATION OF GRADE POINT AVERAGE (GPA):**

The grade points (GP) in a course shall be assigned on the basis of actual marks scored (end Semester examination and I.A.) in that course as per the table given below they have secured a minimum of 35% marks in the end Semester examination. The candidate securing less than 35% marks in the end Semester examination in any unit/ theory/ practicals/ project work/ dissertation/ internship/ seminar shall be declared to have failed in that unit/ theory/ practicals.

**Table 1: Grades and Grade Points**

Grade	Limits*	Grade point
OO+	95 - 100	10
OO	90 - 94	9.5
OA+	85 - 89	9
OA	80 - 84	8.5
AA+	75 - 79	8
AA	70 - 74	7.5
AB+	65 - 69	7
AB	60 - 64	6.5
BB+	55 - 59	6
BB	50 - 54	5.5
BC	45 - 49	5
CC	40 - 44	4.5
PP	35 - 39	4
FF	0 - 34	0

\* Limits are considered after converting the marks out of 100 in that course.

**MINIMUM FOR A PASS:**

- 1 A candidate shall be declared to have passed the PG program if he/she secures at least a CGPA of 4.0 (Course Alpha-Sign Grade C) in the aggregate of both internal assessment and semester end examination marks.
- 2 The candidates who pass all the semester examinations in the first attempts in two years are eligible for ranks provided they secure at least a CGPA of 6.0 (at least Alpha-Sign Grade A).

- 3 The results of the candidates who have passed the fourth semester examination but not passed the lower semester examinations shall be declared as NCL (Not Completed Lower semester examinations). Such candidates shall be eligible for the degree only after completion of all the lower semester examinations.
- 4 A candidate who passes the semester examinations in parts is eligible for only CGPA and Alpha-Sign Grade but not for ranking.
- 5 There shall be no minimum in respect of internal assessment and viva-voce marks.
- 6 A Candidate who fails in any of the unit/project work/Project Report/ dissertation shall reappear in that unit/project work/ Project Report/ dissertation and pass the examination subsequently.

**CARRY OVER PROVISION:**

Candidates who fail in a lower semester examinations may go to the higher semesters and take the examinations.

**COURSES OFFERED:**

In addition to six Under-Graduate programmes, the College offers the following Post-Graduate Programmes for the academic year 2022-23

- Master of Social Work (M.S.W.)
- Master of Commerce (M.Com.)
- M.Sc. (Physics)
- M.Sc. (Mathematics)
- M.Sc. (Computer Science)

The details of the courses are outlined below.



## MASTER OF SOCIAL WORK (MSW)

### I SEMESTER

1	Hard Core	SWH401	Introduction to Professional Social Work
2	Hard Core	SWH402	Working with Individuals and Groups
3	Hard Core	SWH403	Understanding of Indian Society
4	Soft Core	SWS404	Dynamics of Human Behaviour OR
		SWS405	Personal and Professional Development for Social Work Practice
5	Hard Core	SWH406	Social Work Practicum I (Orientation Visits and Concurrent Fieldwork)

### II SEMESTER

1	Hard Core	SWH 451	Social Policy and Welfare Administration
2	Hard Core	SWH 452	Community Organization and Social Action
3	Hard Core	SWH 453	Social Work Research and Statistics
4	Soft Core	SWS 454	Industrial Psychology OR
		SWS 455	Social Work with families
5	Open Elective	SWE 456	Contemporary Social Work Perspectives and Concerns OR
		SWE 457	Analysis of Indian Society
6	Hard Core	SWH458	Social Work Practicum II and Social Work Rural Camp

<b>III SEMESTER</b>		
1	Hard Core	SWH501 Project Planning and Management
<b>Specialisations: I : Medical &amp; Psychiatric Social Work (MPSW)</b>		
2	Soft Core	SWS503 Medical Social Work
		SWS507 Therapeutic Counselling
<b>Specializations II: Human Resource Management</b>		
3	Soft Core	SWS504 Management Concepts and Corporate Social Responsibility
	Soft Core	SWS509 Human Resource Management and Occupational Social Work
	Soft Core	SWS512 Correctional Social Work OR
	Soft Core	SWS513 Human Resource Training and Development
4	Open Elective	SWE 514 Disaster Management OR
		SWE 515 Environment & Social Action
5	Hard Core	SWH516 Social Work Practicum III and Study Tour

<b>IV SEMESTER</b>	
1	Soft Core
	SWS551 Communication Skills for Social Work Practice OR
	SWS552 Juvenile Justice System in India
<b>Specializations I : Medical &amp; Psychiatric Social Work (MPSW)</b>	
2	Soft Core
	SWS554 Psychiatric Social Work
	SWS559 Community Health
<b>Specializations II : Human Resource Management</b>	
3	Soft Core
	SWS555 Labour Welfare & Industrial Legislations
	SWS560 Industrial Relations & Trade Union
4	Project Work
	SWS563 Research Project
5	Hardcore
	SWH564 Social Work Practicum IV and Block Placement

## MASTER OF COMMERCE (M.Com)

### I SEMESTER

1	Soft Core	CMS401	Management Theory and Practice
2	Soft Core	CMS402	Business Economics
3	Hard Core	CMH404	Business Statistics
4	Hard Core	CMH405	Management Science
5	Hard Core	CMH406	Advanced Financial Accounting

### II SEMESTER

1	Open Elective	CME451	Personality Development
2	Soft Core	CME452	Entrepreneurship Development
3	Soft Core	CME453	Strategic Marketing Management
4	Hard Core	CMH455	Business Research Methods
5	Hard Core	CMH456	International Business
6	Hard Core	CMH457	Advanced Cost Accounting

<b>III SEMESTER</b>			
1	OpenElective	CME501	Personal Savings and Investment Management
2	Hardcore	CMH502	Artificial and Business Intelligence
3	Hardcore	CMH503	Business Ethics and CSR
4	Hardcore	CMH504	E-Commerce
<b>Optional Stream-1:</b>			
<b>Financial Management &amp; Investment Science (FMAIS)</b>			
1	Softcore	CMS505	Optional (FMAIS) Indian Accounting Standards and Practice".
2	Softcore	CMS506	Optional (FMAIS) Capital Market Operations
<b>Optional Stream-2:</b>			
<b>Taxation</b>			
1	Softcore	CMS511	Direct Taxes
2	Softcore	CMS512	Goods & Services Tax

<b>IV SEMESTER</b>		
1	Softcore	CMS551 Retail Management
2	Softcore	CMS552 Dissertation
3	Hardcore	CMH553 Risk and Insurance Management
4	Hardcore	CMH554 International Financial Management
<b>Optional Stream - 1:</b>		
<b>Financial Management &amp; Investment Science (FMAIS)</b>		
1	Softcore	CMS555 Financial Derivative Markets
2	Softcore	CMS556 Portfolio Management
<b>Optional Stream - 2:</b>		
<b>Taxation</b>		
1	Softcore	CMS561 Corporate Tax Planning
2	Softcore	CMS562 Custom Duty & GST Analysis

## M.Sc PHYSICS

### I SEMESTER

1	Hard Core	PHH401	Methods of Mathematical Physics · I
2	Hard Core	PHH402	Quantum Mechanics I
3	Hard Core	PHH403	Classical Mechanics
4	Hard Core	PHH404	Electrodynamics
5	Soft Core	PHP405	Physics Practicals I (General)
6	Soft Core	PHP406	Physics Practicals II (General)

### II SEMESTER

1	Hard Core	PHH451	Mathematical Physics II
2	Hard Core	PHH452	Quantum Mechanics II
3	Hard Core	PHH453	Nuclear and Radiation Physics
4	Hard Core	PHH454	Condensed Matter Physics and Electronics
5	Open Elective	PHE455	Energy Studies
6	Soft Core	PHP456	Physics Practicals III (General)
7	Soft Core	PHP457	Physics Practicals IV (Electronics)

<b>III SEMESTER</b>		
1	Hardcore	PHH 501 Atomic and Molecular Physics
2	Hardcore	PHH 502 Thermodynamics and Statistical Physics
3	Softcore	PHS 503 Condensed Matter Physics I
4	Softcore	PHS 504 Electronics I
5	Softcore	PHS 505 Nuclear Physics I
6	Softcore	PHS 506 Condensed Matter Physics II
7	Softcore	PHS 507 Electronics II
8	Softcore	PHS 508 Nuclear Physics II
9	Open Elective	PHE 509 Radiation Sources and Hazards
10	Softcore	PHP 510 Condensed Matter Physics Practicals I
11	Softcore	PHP 511 Electronics - Practicals I
12	Softcore	PHP 512 Nuclear Physics - Practicals I
13	Softcore	PHP 513 Condensed Matter Physics Practicals II
14	Softcore	PHP 514 Electronics - Practicals II
15	Softcore	PHP 515 Nuclear Physics - Practicals II
<b>IV SEMESTER</b>		
1	Hardcore	PHH 551 Lasers, Vacuum Techniques and Cryogenics
2	Hardcore	PHH 552 Astrophysics & Relativity
3	Softcore	PHS 553 Condensed Matter Physics III
4	Softcore	PHS 554 Electronics III
5	Softcore	PHS 555 Nuclear Physics III
6	Softcore	PHS 556 Condensed Matter Physics IV
7	Softcore	PHS 557 Electronics IV
8	Softcore	PHS 558 Nuclear Physics IV
9	Hardcore	PHP 559 Project Work



## M.Sc. MATHEMATICS

### I SEMESTER

1	Hard Core	MTH401	Algebra - I
2	Hard Core	MTH402	Linear Algebra - I
3	Hard Core	MTH403	Real Analysis - I
4	Soft Core	MTS404	Numerical Analysis
5	Soft Core	MTS407	Theory of Combinatorics
6	Soft Core	MTL408	Practical - I

### II SEMESTER

1	Open Elective	MTE451	Discrete Mathematics and Applications
2	Hard Core	MTH452	Algebra - II
3	Hard Core	MTH453	Real Analysis - II
4	Hard Core	MTH454	Topology
5	Soft Core	MTS455	Linear Algebra - II
6	Soft Core	MTS456	Ordinary Differential Equations
7	Soft Core	MTL458	Practical - II

### III SEMESTER

1	Open Elective	MTE 501	Differential Equations and Applications
2	Hardcore	MTH 502	Complex Analysis I
3	Hardcore	MTH 503	Measure and Integration
4	Hardcore	MTH 504	Multivariate Calculus and Geometry
5	Softcore	MTS 507	Graph Theory
6	Softcore	MTS 508	Lattice Theory
7	Softcore	MTL 511	Lab - 3

### IV SEMESTER

1	Project Work	MTP 551	Project Work
2	Hard Core	MTH 552	Complex Analysis - II
3	Hard Core	MTH 553	Functional Analysis
4	Soft Core	MTS 554	Partial Differential Equations
5	Soft Core	MTS 557	Algebraic Number Theory

## M.Sc COMPUTER SCIENCE

### I SEMESTER

1	Hard Core	CSH101	Mathematical Foundations of Computer Science
2	Hard Core	CSH102	Advanced Data Structure and Algorithms with C++
3	Hard Core	CSH103	Data Communications and Computer Networks
4	Hard Core	CSH104	Advanced Operating Systems
5	Soft Core	CSS105	.Net Technology
6	Soft Core	CSP107	Advanced Data Structures Lab
7	Soft Core	CSP108	.Net Technology Lab

### II SEMESTER

1	Hard Core	CSH201	Internet of Things
2	Hard Core	CSH202	Data Science with Python
3	Hard Core	CSH203	Advanced Database Management Systems
4	Soft Core	CSS205	Computer Graphics and Multimedia with Java
5	Soft Core	CSP209	ADBMS Lab
6	Soft Core	CSP212	Computer Graphics and Multimedia Lab
7	Open Elective	CSE213	Introduction to Information Technology

<b>III SEMESTER</b>		
1	Hard Core	CSH301 Artificial Intelligence & Machine Learning
2	Hard Core	CSH302 Principles of Cyber Security
3	Hard Core	CSH303 Software Engineering
4	Soft Core	CSH305 Cloud Computing
5	Soft Core	CSP310 Artificial Intelligence & Machine Learning Lab
6	Soft Core	CSP312 Mini Project and Domain Knowledge Seminar
7	Open Elective	CSE313 Data Analysis Tools

<b>IV SEMESTER</b>	
1	Hard Core
	CSP401 Project Work Report Viva Voce

## RULES & REGULATIONS

### GENERAL:

- The college is open to all the students with requisite qualification for admission without distinction of caste or creed.
- **Class Hours:** 9-30 a.m. to 4-30 p.m., However, classes may commence earlier than 9.30 a.m. and go beyond 4.30 p.m., if the situation demands.
- Students who arrive late to the Class can enter only if permitted by the Authority. Those who depend on public conveyance should start early so as to reach the College in time.
- The Morning and the Afternoon sessions begin with an invocation.
- Attendance will be marked for each Hour allotted to a Subject. Students are required to put in not less than 75% Attendance in individual Subjects.
- Attendance is compulsory on the College re-opening day.
- Students should compulsorily appear for the Tests and Term Examinations.
- Students are required to participate in the National Day/ Festival Programmes organized by the College.
- All the students are required to participate in the activities and functions conducted by various Associations / Clubs of the College.
- Students are advised to make use of the library facilities whenever they do not have classes.
- Students are advised not to bring large amount of cash or other valuable items to College. They have to take care of their belongings.
- No student shall leave the class without Lecturer's permission.
- Leave Applications countersigned by Parents / Guardian should be forwarded to the coordinator.
- If a student is absent due to sickness, Medical Certificate should be produced.
- Leave record which is appended to the Calendar should be signed by the Class Advisor.

- If a student cannot appear for the Internal Examinations / Class Tests on health grounds (no other reasons are entertained) the matter should be reported by his/her Parent/Guardian to the Principal in advance.
- Ragging in any form is strictly prohibited on the campus/ in hostel. Those who indulge in ragging or encourage it will be dismissed summarily from the college.

#### **DISCIPLINE :**

- Students are required to conduct themselves well. The College reserves the right to dismiss any student if his/her behaviour tarnishes the image of the College.
- Students are not permitted to celebrate any religious festivals in the College Campus without the prior permission of the Principal.
- Loitering about the Campus should be avoided.
- **Use of Cell phones by the students in the Campus is banned. Cell Phones, if found with the students will be confiscated.**
- Students have to be polite when they deal with the members of the staff.
- Irregularity in attendance, insubordination, discourtesy to Staff Members, habitual inattention and late coming, neglect of work, obscenity in word or act will attract disciplinary actions such as fine, suspension and dismissal.
- **Students should not enter into an altercation with the Lecturers in the Class Room. Disobedience during the class hours will be seriously dealt with.**
- Willful damage caused to the College property will be recovered from the students.
- The College will not be responsible for the conduct of the students outside its premises. However, it will take note of the offence and action will be initiated according to the nature and magnitude of the offence.
- **Students should not raise funds, organize functions, convene meetings without the permission from the Principal.**
- Students are not supposed to play or listen to music using Cell Phones or any other electronic devices on the College Campus. The devices if used will be confiscated.
- **Use of tobacco, alcohol or any other intoxicants is banned in the premises.**

- Students who do not live with their parents or local guardians have to get accommodation in the College Hostels
- **Booing, whistling or producing animal sounds in the Lecture Hall or in the College Premises is forbidden.**
- Disfiguring the walls and furniture will attract disciplinary action.
- Books, Magazines, Newspapers etc., not approved by the Principal are not allowed to be brought to the College.
- Those students who come to the College by Two Wheelers should have a valid Driving License. To avoid noise pollution and disturbance, the Vehicles should be fitted with Silencers. Students should park their vehicles only in the place allotted. Bringing Four Wheelers by the students is prohibited. The College does not provide parking slot for Four Wheelers of the students.
- Educational tours / Industry visit / Field visits are to be organized with the prior permission of the Principal. For all such programmes written permission of the parents is required.
- Attendance at Classes and Examinations, progress, as well as the conduct will be taken into consideration while recommending students for concessions, scholarships, jobs as well as for representing the College in extra curricular activities.
- After class hours no student is expected to remain on the Campus unless there is a program or sports / games practice.

## COLLEGE LIBRARY

There is a departmental library for PG students exclusively. However, students can seek permission and do reference work at the main/central library of the College. The main library has a large volume of books and periodicals that needs to be referred for the PG Course.

The rules and regulations of the Library are formulated to ensure uniformity in meeting the demands of the readers. It is the genuine co-operation, sincere appreciation of the library services and adherence to the rules and regulations by readers that can really help the successful functioning of the library.

## **Library Rules and Regulations**

### **Issue of Library Books**

Faculty Members, Research Scholars, Students of Post-Graduate Departments and Administrative Staff of the College are members of the library. Each member is issued with a membership card and borrowers tickets as per their eligibility given below.

Faculty	15+01
Research Scholar	03+01
Post Graduate Student	03+01
Office Staff	02+01

Library Provides Open Access System: System used in the library is open access. Students/Staff can go directly to the racks and select the book of their choice.

### **Lending service:**

#### **Students**

1. Each student is issued with three Borrower's Cards and a Membership Card.
2. For the career guidance books, only the Borrower's card with yellow colour is preferred.
3. Books issued for home reading must be returned within 15 days. Due date is found on the due date label pasted on the book.
4. The book once borrowed may be renewed on production of the book at the counter, before the expiry of the due date. However renewal requests will not be honored if that particular book is demanded by other students.

#### **Staff**

1. Each Staff is issued with Fifteen Borrower's Cards and a Membership Cards
2. For the career guidance books, only the Borrower's card with yellow colour is preferred.

3. Books issued for home reading must be returned within 30 days. Due date is found on the due date label pasted on the book.

### **Outside Members:**

Those outsiders such as alumni/staff/ other than regular members who are willing to borrow books from P.G library are requested to get permission letter from chairman.

### **General Rules and Regulations**

- Strict silence must be observed in the library at all times.
- Students are prohibited from carrying edible items to the library.
- Library membership is compulsory for all the students and Staff.
- Library cards are not transferable.
- Students have to swipe the ID card for Movement Register purpose whenever they visit the library.
- While entering the library, students/staff should produce their Identity Card. They are not allowed to bring their own books inside the library except a note Book.
- Reference books, thesis and project reports and periodicals/ bound journals are not home issued.
- Students should not keep money or any valuable things in their bags kept at property counter.
- Students shall be held responsible for any damage done to the books while in their possession. Students are advised to check the books issued to them in the library. If any damage is found, the same should be brought to the notice of the Librarian. Complaints about the book will not be entertained at the time of returning books.
- Rs. 100.00 will be charged for duplicate card in case of loss or damage of Library card
- For loss of Library book the member has to pay the price of the book plus fine.



- Students must behave well in the library and must not damage library property or disturb other readers.
- A member who fails to return the book within the due date shall pay Rs 3 per day as overdue charge.
- The book once borrowed may be renewed on production of the book at the counter, before the expiry of the due date. However renewal request will not be honored if that book is demanded by other members.
- Students should return library books and surrender their library cards to the library and obtain No Due Certificate before receiving admission tickets for the examinations.
- Mobile phones are not allowed inside the library.
- Eating and sleeping are not allowed in the Library.

### **Rules and Regulations of Digital Library**

- Identity card must be presented and deposited before using the digital library facility.
- Strict silence must be observed in the Digital library at all times.
- CD/DVDs should not to be taken outside the Library.
- Changing the settings and display of the Computers kept in the Digital Library are not allowed.
- Recreational Activity like Playing games, Online Chatting and Accessing Social Networking sites are Prohibited.
- Browsing of Dating, Networking of friendship and porn website is strictly prohibited. Strict disciplinary action will be taken against the defaulters.
- Downloading, Installing and running of software other than those already installed on the computer station not allowed.
- Illegal / Unlawful activities such as hacking, deleting of files, Changing/ Tweaking of system configuration /passwords resulting damage of system and network are prohibited.

# LEAVE RECORD

Signature

Date	PERIOD							Reason	Parent/ Guardian	Class Mentor	Principal
	I	II	III	IV	V	VI	VII				
Signature of Subject Teacher											
Signature of Subject Teacher											
Signature of Subject Teacher											
Signature of Subject Teacher											
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Signature of Subject Teacher											
Signature of Subject Teacher											
Signature of Subject Teacher											

## NOTE

## NOTE

## NOTE



## NOTE

# TIME TABLE 2022-23

Class : ..... Room No : ..... Class Mentor .....

Days	I 9.30 - 10.30	II 10.30 - 11.30	III 11.40 - 12.30	IV 1.30 - 2.30	V 2.30 - 3.30	VI 3.30 - 4.30
<b>MONDAY</b>						
<b>TUESDAY</b>						
<b>WEDNESDAY</b>						
<b>THURSDAY</b>						
<b>FRIDAY</b>						
<b>SATURDAY</b>						

LUNCH BREAK



## Founder

### Msgr Antony Patrao

Since the dawn of human civilization education has been considered an agent of change, a growth driver and a means of empowerment. The importance of education stems from its contribution to personality development, human capital formation and good citizenry. The knowledge and skill acquired by the young generation through the process of education has proved to be a catalyst for nation building activities.

Puttur, until the 1950s was an unheralded place in the coastal Karnataka region. As providence would have it Fr Antony Patrao came down to Puttur to minister the religious and spiritual needs of the community. Serving the community he noticed the conspicuous absence of a College to impart Higher Education around the region. The visionary in him prompted Fr Patrao to lead a bandwagon of well meaning education enthusiasts to establish a College. The tireless efforts of Fr Patrao and his associates paid off in the form of St Philomena College, which came into being in 1958. The College under his care began to muster strength after strength before it became full fledged. The insistence on discipline and performance made it a house hold name in Karnataka and neighboring states. Visionaries in the past have recognized this dominant role of education and have done every thing within their command to propagate education. The role of Christian missionaries in this regard has been pivotal.



Centre for PG Studies and Research

## ST PHILOMENA COLLEGE

Affiliated to Mangalore University Re-Accredited by NAAC at 'A' Grade  
MAI DE DEUS EDUCATIONAL INSTITUTIONS  
Managed by the Catholic Board of Education, Mangalore



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